

Application No. 10/591,210
Paper Dated: July 27, 2010
In Reply to USPTO Correspondence of April 27, 2010
Attorney Docket No. 3135-062577

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-19 (Cancelled)

Claim 20 (Currently Amended): A remotely controllable switch unit for switching the mains inside an electrical installation, wherein the switch unit comprises:

an electrically controllable switch;
a control circuit for controlling the switch; and

a receiver coupled to the control circuit for receiving wireless signals, wherein the switch unit is adapted for mounting in a housing of a wall socket and is provided with a female part of the wall socket such that the wall socket is configured to receive a plug of an electrical device.

Claim 21 (Previously Presented): The switch unit as claimed in claim 20, wherein the depth of the switch unit is smaller than 32 mm.

Claim 22 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit is combined with a flush-mounted box, and that the maximum depth of the switch unit is at least 8 mm smaller than the maximum depth of the flush-mounted box.

Claim 23 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit is provided with an operating element of usual type for operating the switch.

Claim 24 (Cancelled)

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Claim 25 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit is provided with an on/off switch.

Claim 26 (Previously Presented): The switch unit as claimed in claim 25, wherein the switch unit is provided with a dimmer.

Claim 27 (Previously Presented): The switch unit as claimed in claim 26, wherein the control circuit is adapted to sense the nature of a load connected to the female part of the wall socket and to block the dimming function when the load is not substantially formed by a resistance.

Claim 28 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit comprises a transmitter connected to the control circuit and that the switch unit is adapted to function as a junction in a network of transmitters/receivers.

Claim 29 (Previously Presented): The switch unit as claimed in claim 20, wherein an operating element is arranged on the switch unit for operating at least the switch.

Claim 30 (Previously Presented): The switch unit as claimed in claim 29, wherein a signal light source comes on when the switch unit is switched on.

Claim 31 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit comprises at least one printed circuit board on which a number of components are placed, and that the printed circuit board extends parallel to the mounting surface of the housing.

Claim 32 (Previously Presented): The switch unit as claimed in claim 31, wherein at least one of the printed circuit boards extends over substantially the whole surface area of the housing, but is provided with a recess.

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Claim 33 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit comprises a contact carrier which is manufactured from insulating material and on which contacts are arranged for the pins of the male plug and on which terminals are arranged for connecting the contacts to wires, and wherein at least one of the connections between contact and terminals is interrupted.

Claim 34 (Previously Presented): The switch unit as claimed in claim 33, wherein the contact carrier is formed by a housing manufactured from plastic and having a substantially cylindrical part and a mounting flange.

Claim 35 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit comprises a power supply circuit which is adapted to connect a capacitor to the mains for only a short period of time after the zero passage of the mains.

Claim 36 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit comprises a relay for switching the connection between one of the contacts and one of the terminals.

Claim 37 (Previously Presented): The switch unit as claimed in claim 20, wherein the switch unit is adapted to measure the power of the load connected to the switch unit.

Claim 38 (Previously Presented): The switch unit as claimed in claim 36, wherein the control circuit is adapted to transmit a signal representing the measured power to another element of the network.

Claim 39 (New) A remotely controllable switch unit for switching the mains inside an electrical installation, wherein the switch unit comprises:

an electrically controllable switch;

a control circuit for controlling the switch; and

a receiver coupled to the control circuit for receiving wireless signals,

wherein the switch unit is adapted for mounting in a housing of a wall socket configured to receive a plug of an electrical device, and

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the switch unit is provided with a dimmer and the control circuit is adapted to sense the nature of a load connected to the wall socket when a plug of an electrical device is coupled thereto and to block the dimming function when the load is not substantially formed by a resistance.